

Example: Pages 63-64; 95pp: English. The development of a novel method for the identification of a patient's previous sensitization to *Borrelia burgdorferi* sensu lato outer surface protein C (OspC). The method comprises reacting immunoglobulin (Ig) or T cells from the patient with a polypeptide of at most 60 amino acids containing a peptide with at least 50% identity to the *B. burgdorferi* derived sequence W41821, or its subsequences of at least 5 amino acids. The degree of immunological reactivity between the polypeptide and Ig or T cells is measured and significant reactivity is indicative of sensitization. The method can be used to diagnose Lyme disease and is based on reactivity with antibodies against the OspC protein. The test can be done in vitro or in vivo, e.g. as a skin test. Vaccine compositions comprising the polypeptide can be used to protect humans and other animals against *B. burgdorferi* infection. The polypeptide provides higher sensitivity than full-length OspC, and so is better at detecting infection in its early stages, especially when combined with the known assay for flagellar proteins. The seven carboxy-terminal residues of W41821 represent an epitope essential for human immune response to OspC. The polypeptide is also easier to prepare and purify than (nearly) full-length protein, facilitating standardisation of the assay, and is less cross-reactive with antibodies raised against other antigens. The small size of the polypeptide allows a high density of binding sites to be created on a solid support. Incorporation of non-natural amino acid into the polypeptide increases its resistance to peptidases when used in vivo.

Query Match 4.8%; Score 8; DB 28; Length 212;  
Best Local Similarity 100.0%; Pred. No. 6,48e-01;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 143 ghadlgkq 150  
121 GHADLGKQ 128

RESULT 8  
ID R5729 standard; Protein: 212 AA.  
AC R5729:  
31-JUL-1996 (first entry)  
DE B. burgdorferi strain PKO outer surface protein C (OspC-PKO).  
KW Strain PKO; outer surface protein; diagnosis; infection; vaccine;  
KW chimeric protein; treatment; diagnostic assay; antibody;  
KW Lyme borreliosis; immunodiagnostic assay; antibody;  
KW T-cell reactivity; chimeric.  
OS Borrelia burgdorferi.  
PN WO9512676-A1.  
PD 11-MAY-1995.  
PT 27-OCT-1994; U12352.  
PR 01-NOV-1993; US-148191.  
PR 29-APR-1994; US-235836.  
PA (ASU-) ASSOC UNIVERSITIES INC.  
PI Dunn J, Luft BJ.  
DR N-PSDB: 090716.  
PT Chimeric protein comprising 2 or more antigenic Borrelia polypeptides) - useful in a vaccine against Lyme borreliosis and in immunodiagnostic assays.  
PS Example 1; Fig 14; 200pp: English.  
DE The present sequence is the B. burgdorferi strain PKO, outer surface protein C (OspC-PKO) using chemical or enzymatic methods, peptide fragments of OspC-PKO were prepd., and analysed by western blot to assess their ability to bind different anti-OspC monoclonal antibodies. The information obtd. was used to locate antigenic domains in OspC-PKO, the epitopes of which were mapped with the aid of site directed mutagenesis. Identical analyses were performed on a selection of Osp purified from a variety of B. burgdorferi strains, the results from which were utilised in the prepn. of a pool of antigenic Borrelia polypeptides, and corresponding

CC Borrelia polypeptides, that do not naturally occur in the same protein, can be used in the treatment and diagnosis of Borrelia infections, i.e. as a vaccine against Lyme borreliosis, in immunodiagnostic assays to detect anti-Borrelia antibodies or to measure T-cell reactivity.  
CC Sequence 212 AA;

Query Match 4.8%; Score 8; DB 17; Length 212;  
Best Local Similarity 100.0%; Pred. No. 6,48e-01;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 143 ghadlgkq 150  
121 GHADLGKQ 128

RESULT 9  
ID R13140 standard; Protein: 212 AA.  
AC R13140:  
27-SEP-1991 (first entry)  
DE B. burgdorferi strain PKO pc protein.  
KW Lyme borreliosis; vaccine; flagellin.  
OS Borrelia burgdorferi.  
PN WO9109870-A.  
PD 11-JUL-1991.  
PT 21-DEC-1990; E02282.  
PR 22-DEC-1989; DE-942728.  
PR 13-JUN-1990; DE-018988.  
PI (MIK-) MIKROGEN MOLEKULARB.  
PI Fuchs R, Wilske B, Preac-Mursic V, Motz M, Soutschek E;  
DR N-PSDB: 012746.  
PT New Borrelia burgdorferi proteins - useful as immunoassay reagents and antigens for vaccine prodn.  
PS Claim 48; 68pp: German.  
CC Protein pc (22KD) was isolated from a B. burgdorferi cell lysate and digested with trypsin. The amino acid sequence of two tryptic fragments was determined. Probe pools corresponding to each fragment were synthesised and used to screen a B. burgdorferi cDNA library. A clone contg. the 639 nucleotides of the pc derived sequence was identified and sequenced. The amino acid derived from the pc gene is reproduced here. Decoding the 639 base pc gene, however, gives a different amino acid sequence with Thr(29)-Ser(37), CC inclusive replaced by HLIILITSL. For this sequence to be directly decoded from 012748, an A residue must be inserted between G(84) and C(85) of the nucleotide sequence and T(111) must be deleted.  
CC See 012744-012747, 013297-8 and R13139-R13142.  
CC Sequence 212 AA;

Query Match 4.8%; Score 8; DB 3; Length 212;  
Best Local Similarity 100.0%; Pred. No. 6,48e-01;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 143 ghadlgkq 150  
121 GHADLGKQ 128

RESULT 10  
ID R62779 standard; Protein: 177 AA.  
AC R62779:  
25-MAY-1995 (first entry)  
DE Borrelia ACA1 antigen vaccine.  
KW OspC antigen; vaccine; Lyme disease; borreliosis; immunogen;  
KW serovar typing; restriction fragment length polymorphism;  
OS Borrelia burgdorferi ACA1.  
PN WO9425596-A.  
PD 10-NOV-1994.  
PT 29-APR-1994; E01365.  
PR 29-APR-1993; US-053863.  
PA (IMMO ) IMMUNO AG.  
PI Crowe B, Dornier F, Livey I;

ID		RESULT 11
AC	R60893:	standard; Protein: 193 AA.
DE	Borrelia ACAL antigen vaccine.	
KW	OspC antigen; vaccine; Lyme disease; borreliosis; immunogen;	
KM	serovar typing; restriction fragment length polymorphism;	
KW	RFLP; Pichia pastoris.	
OS	Borrelia burgdorferi ACAL.	
SN	M09425596-A.	
PD	10-NOV-1994.	
PF	29-APR-1994; E01365.	
PR	29-APR-1993; US-053863.	
PA	(IMMO ) IMMUNO AG.	
PI	Crowe B, Dorner F, Livey I;	
DR	N-PDBB: Q73866.	
PT	Immunogenic composition comprising OspC antigens - for the treatment of Lyme borreliosis in different, specific geographical areas.	
PT	disclosure: fig. 9a: 11pp; English. selected ospc antigen A vaccine for lyme disease includes resolved by serovar formulations based on defined oscp families of ospc genes selected typing and rflp typing. partial sequences of ospc genes selected from different rflp types are given in Q73883-905 (encoded peptides), comprising the first 92% of mature ospc , are given in R62711-93).	
CC	Complete sequences for these novel ospc genes, including the 3' end,	
CC	plus sequences for the ospc genes of Borrelia strains H13 and 28691	
CC	are given in Q73857-82, and encoded proteins in R60884-909. The	
CC	DNA sequences may be expressed in e.g. Pichia pastoris for recombinant antigen production.	
CC	Sequence 193 AA:	
SQ		
	Query Match 4.2%; Score 7; DB 12; Length 193; Best Local Similarity 100.0%; Pred. NO. 1.03e+01; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps	
Dn	125 hadlqkq 131       122 HADLKGK 128	
RESULT 12		
ID	M56767:	standard; Protein: 323 AA.
AC	13-OCT-1998 (first entry)	
DT		

ID	RESULT	13	standard;	protein;	377	AA
AC	W56774;					
DT	13-OCT-1998	(first entry)				
DE	Homo sapiens PSP1-3 consensus sequence.					
DD	Homo sapiens PSP1-3 consensus sequence.					
DI	PS-1; presenilin; presenilin-1. PSP1-3; Alzheimer's disease.					
KW	serine protease; neurodegeneration; predisposition; diagnosis.					
OS	Homo sapiens.					
PN	EP-828003-A2.					
PD	11-MAR-1998.					
PF	26-AUG-1997; 306501.					
PR	13-DEC-1996; US-032875.					
PR	06-SEP-1996; US-025436.					
PR	25-OCT-1996; US-027873.					
PA	(SMIK) SMITHKLINE BEECHAM CORP.					
PA	(SMIK) SMITHKLINE BEECHAM PLC.					
PA	Browne MJ, Clinkenbeard HE, Creasy CL, Karran EH,					
PI	Livi GP, Southan CD;					
PI	WPI; 98-161101/15.					
DR	N-PSDB; V29337.					
DR	Nucleic acids encoding human serum protease protein(s) - used for					
PT	diagnosing pre-disposition to Alzheimer's disease, etc.					
PS	Claim 7; Page 41-42; 65pp. English.					
CC	The sequence is that of the consensus sequence of PSP1-3					
CC	serine protease activity and also to diagnose a condition					
CC	associated with lack of one of the serine proteases or					
CC	a genetic predisposition to neurodegeneration in a patient,					
CC	preferably predisposition to Alzheimer's disease.					
CC	Sequence 377 AA;					
SO	Sequence 377 AA;					
Query Match	4.2%;	Score 7;	DR 33;	Length 377;		
Best Local	Pred. 100.0%;	Pred. No. 103e+01;				
Matches	7; Conservative	0; Mismatches	0; Indels	0; Gaps	0	

OY 17 LSSSILA 23

RESULT 14  
 ID W00366 standard; Protein; 639 AA.  
 AC W00366;  
 DT 18-FEB-1997 (first entry)  
 DE Streptomyces lacto-N-biosidase.  
 KM Lacto-N-biosidase; glycosylation; sugar chain.  
 OS Streptomyces sp. 142 (FERM BP-4569).  
 PN BP-739983-A2.  
 PD 30-OCT-1996.  
 PF 25-APR-1996; 106569.  
 PR 27-APR-1995; JP-129731.  
 PA (TAKI) TAKARA SHUZO CO LTD.  
 PI KATO I, MITA M, SANO M.  
 DR WPI; 96-478747/48.  
 DR N-PSDB; T41776.  
 PT Streptomyces lacto-N-biosidase DNA - for prodn. of recombinant  
 PT lacto-N-biosidase for determination of sugar chain structure and  
 PT function  
 PS Claim 1; Page 13-15; 27pp; English.  
 CC Streptomyces sp. 142 lacto-N-biosidase (W00366) is capable of  
 CC specifically acting on a sugar chain having the structure Gal  
 CC beta1-3GlcNAc beta1-R (R is a sugar residue), and specifically  
 CC catalysing the hydrolysis of the lacto-N-bioside bond only. It  
 CC is useful for studying the structure and biological activity of  
 CC sugar chains, esp. in cell surface glycoproteins and glycolipids.  
 CC Large-scale, low cost prodn. of the enzyme in transformed host  
 CC cells is possible using a gene sequence (T41776) isolated from a  
 CC genomic library of Streptomyces sp. 142.  
 SQ Sequence 639 AA;

Query Match 4.28; Score 7; DB 20; Length 639;  
 Best Local Similarity 100.0%; Pred. No. 1.03e+01;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 DB 389 ssllaeg 395  
 OY 19 SLLAEG 25

RESULT 15  
 ID W34153 standard; peptide; 16 AA.  
 AC W34153;  
 DT 26-FEB-1998 (first entry)  
 DE HIV-2 peptide fragment #1.  
 KM Human T-cell leukemia virus; HTLV; gp46; envelope protein; diagnosis;  
 KM Immunassay reagent; antibody detection; adult T-cell leukemia-lymphoma;  
 KM ATL; infection prevention.  
 OS Human immunodeficiency virus type 2.  
 FH Key Location/Qualifiers  
 FT Misc.difference 16  
 FT US5681696-A.  
 PN 28-OCT-1997.  
 PD 09-JAN-1987; 001885.  
 PR 22-JUN-1992; US-901874.  
 PR 09-JAN-1987; US-001885.  
 PR 13-JAN-1989; US-297635.  
 PR 24-JAN-1990; US-469291.  
 PR 01-JUN-1995; US-457865.  
 PA (UNBI-) UNITED BIOMEDICAL INC.  
 PI Wang CY;  
 PI WPI; 97-535047/49.  
 PT HTLV peptide(s) - useful as immunoassay reagents for diagnosis of  
 PT adult T-cell leukemia.  
 PS Disclosure; Column 8; 24pp; English.  
 CC W34150-W34153 represent fragments of HIV-I and HIV-II. These sequences  
 CC are analogous to the peptides of the invention. The peptides of the  
 CC invention (see W3418-W34149) are fragments of HTLV-I (human T-cell  
 CC lymphotropic virus I) and HTLV-II, and analogues of these fragments.  
 CC Human T-cell lymphotropic virus is also known as human T-cell leukemia

CC virus. The HTLV sequences represent peptides of the invention, and have  
 CC an optionally amidated C-terminus. The HTLV peptides may be used as  
 CC immunoassay reagents for detecting antibodies to HTLV-I/HTLV-II in the  
 CC diagnosis of adult T-cell leukemia-lymphoma (ATL). The HTLV peptides can  
 CC also be used to prevent HTLV infection.  
 SQ Sequence 16 AA;

Query Match 3.68; Score 6; DB 25; Length 16;  
 Best Local Similarity 100.0%; Pred. No. 1.37e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 DB 2 garlms 7  
 OY 38 GARLMS 43

RESULT 16  
 ID R87551 standard; peptide; 16 AA.  
 AC R87551;  
 DT 10-JUL-1996 (first entry)  
 DE Peptide #12 for the detection of HTLV-I and HTLV-II antibodies.  
 KM Immunassay; antibody; human T-cell leukemia virus; HTLV; HTLV-I; HIV-1;  
 KM HTLV-II; adult T-cell leukemia; leukemia; HIV-2.  
 OS Synthetic.  
 FH Key Location/Qualifiers  
 FT modified\_site 16  
 FT US5476765-A.  
 PN 19-DEC-1995.  
 PD 22-JUN-1992; 901874.  
 PF 09-JAN-1987; US-001885.  
 PR 13-JAN-1989; US-297635.  
 PR 24-JAN-1990; US-469721.  
 PR 22-JUN-1992; US-901874.  
 PA (UNBI-) UNITED BIOMEDICAL INC.  
 PI Wang CY;  
 PI WPI; 96-048978/05.  
 DR Detecting and distinguishing between antibodies for HTLV-I and -II -  
 PT using an assay utilizing synthetic peptide(s), for the diagnosis of  
 PT adult T-cell leukemia  
 PS Claim 21; Column 36; 28pp; English.  
 CC R87540-R87558 represent synthetic peptides used in the scope of the  
 CC invention, to coat a solid support used in an immunoassay for detecting  
 CC antibodies to human T-cell leukemia viruses (HTLV), and diagnosis of  
 CC adult T-cell leukemia. A test sample where HTLV-I and HTLV-II  
 CC antibodies form a complex with the peptide used, is added to the solid  
 CC support. The mixture is then incubated and the complex detected. The  
 CC immunoassay can be used to detect HTLV-I and HTLV-II, and to distinguish  
 CC between antibodies for each of these viruses. It can also be used for  
 CC the diagnosis of cell leukemia. This method eliminates false positives,  
 CC and has an increased specificity and higher sensitivity than current  
 CC methods. This method can also be used to detect HIV-I and HIV-2  
 CC antibodies.  
 SQ Sequence 16 AA;

Query Match 3.68; Score 6; DB 17; Length 16;  
 Best Local Similarity 100.0%; Pred. No. 1.37e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 2 garlms 7  
 OY 38 GARLMS 43

RESULT 17  
 ID R06326 standard; peptide; 19 AA.  
 AC R06326;  
 DT 13-DEC-1990 (first entry)  
 DE Biotinylated monomeric peptide.  
 KM HIV-2; streptavidin; cyclic.  
 OS Synthetic.  
 FH Key Location/Qualifiers  
 FT misc.difference 1...

OY 17 LSLSLA 23

RESULT 14

ID W00366 standard; Protein; 639 AA.

AC W00366:

DT 18-FEB-1997 (first entry)

DE Streptomyces lacto-N-biosidase.

KM Lacto-N-biosidase; glycosylation; sugar chain.

OS Streptomyces sp. 142 (FERM BP-4569).

PN EP-73983-A2.

PD 30-OCT-1996.

PF 25-APR-1996; 106569.

PR 27-APR-1995; JP-129731.

PA (TAKI) TAKARA SHUZO CO LTD.

PI Kato I, Mita M, Sano M;

DR WPI: 96-478747/48.

DR N-PSDB: T41776.

PT Streptomyces lacto-N-biosidase DNA - for prodn. of recombinant

PT lacto-N-biosidase for determination of sugar chain structure and

PT function

PS Claim 1: Page 13-15; 27pp; English.

CC Streptomyces sp. 142 Lacto-N-biosidase (W00366) is capable of

CC specifically acting on a sugar chain having the structure gal

CC betal-3GlcNAc betal-R (R is a sugar residue), and specifically

CC catalysing the hydrolysis of the lacto-N-bioside bond only. It

CC is useful for studying the structure and biological activity of

CC sugar chains, esp. in cell surface glycoproteins and glycolipids.

CC Large-scale, low cost prodn. of the enzyme in transformed host

CC cells is possible using a gene sequence (T41776) isolated from a

CC genomic library of Streptomyces sp. 142.

CC Sequence 639 AA;

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CC virus. The HTLV sequences represent peptides of the invention, and have  
CC an optionally amidated C-terminus. The HTLV peptides may be used as  
CC immunassay reagents for detecting antibodies to HTLV-I/HTLV-II in the  
CC diagnosis of adult T-cell leukemia-lymphoma (ATL). The HTLV peptides can  
CC also be used to prevent HTLV infection.

CC Sequence 16 AA;

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FT /label-Lys, Orn, Acp, Abu  
 FT /note-Lys- N-epsilon-biotinyllysine or N-epsilon-  
 FT (biotinylaminocaproyl)lysine; Orn- N-delta-  
 FT biotinylornithine or N-delta-(biotinylamino-  
 FT caproyl)ornithine; Acp and Abu- biotinylated"  
 PN DE3901857-A.  
 PD 26-JUN-1990.  
 PE 23-JAN-1989.  
 PR 23-JAN-1989; 901857.  
 PA (BOE) Boehringer Mannheim GMBH.  
 PI Klein C, Bayer H;  
 DR WPI; 90-232329/31.  
 PT Sensitive immunoassay of HIV-2 antibodies with low blank values -  
 PT by incubating sample in streptavidin coated tube with biotinylated  
 PS cyclic peptide and labelled antibody receptor.  
 CC Claim 3; page 4; 4pp; German.  
 CC This peptide is used in a sensitive immunoassay of HIV-2 antibodies  
 CC with low blank values. The nucleic acid sample is incubated, in a  
 CC streptavidin coated tube, with this biotinylated cyclic peptide and  
 CC a labelled receptor directed against the antibodies. The lig. and  
 CC solid phases are sepd. and the amt. of label in one of them is  
 CC measured. One or more of residues 2-4 can be absent.  
 CC See also R07508.  
 SQ Sequence 19 AA;

Query Match 3.6%; Score 6; DB 2; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 1.37e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 2 garins 7  
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 Oy 38 GARLNS 43

RESULT 18  
 ID M35484 standard; peptide; 20 AA.  
 AC W35484;  
 DT 22-APR-1998 (first entry)  
 DE HIV peptide from HIV gp36 peptide SEQ ID NO:28.  
 KW T-cell stimulatory peptide; immunogen; non-dendritic; carrier; tumour;  
 RM scaffold; inhibition; metastasis; wound healing; solid phase.  
 OS Human immunodeficiency virus type 1.  
 PN W09738011-A1.  
 PD 16-OCT-1997.  
 PE 03-APR-1997; D00146.  
 PR 03-APR-1996; DK-000398.  
 PA (PEPR-) PEPRSEARCH AS.  
 PI Heegaard PMH, Jakobsen PH;  
 DR WPI; 97-512645/47.  
 PT Non-dendritic peptide carrier linked to a solid phase - useful as a  
 PT diagnostic agent and as a scaffold for production of chemical  
 PT derivatives  
 PS Example 5: Page 89; 262pp; English.  
 CC A non-dendritic peptide carrier (A) has been developed which is coupled  
 CC through a linker to a solid phase, forming a complex of (A)-solid phase.  
 CC Where (A) comprises 10-50 amino acids capable of forming a secondary  
 CC structure in a benign buffer after liberation from the solid phase, and  
 CC further the (A)-solid phase complex comprises an immunogenic substance  
 CC and/or an immune mediator coupled on (A). The present sequence  
 CC represents a peptide used in an example from the present invention. An  
 CC (A)-solid phase complex can be used as a scaffold for the production of  
 CC chemical derivatives, characterised by covalently attaching molecules at  
 CC attachment points. Alternatively (A) is used as a scaffold-peptide for  
 CC the incorporation into an immunostimulating complex (Iscom) resulting an  
 CC (A)-Iscom complex which is used for the chemical coupling of antigenic  
 CC substances in an aqueous solution by conjugation. (A) derivatised with  
 CC one or more peptides having fibronectin-, laminin- or vitronectin-like  
 CC binding activities can be used for the promotion of cell-attachment to  
 CC and for promotion of wound healing. Also a derivatised (A) can be used  
 CC for the selection of specifically-binding aptamers or as a diagnostic  
 CC agent. Such diagnostic (A) molecules could be used to detect molecules  
 CC derived from or indicative of pregnancy or of a disease, such as an

CC Infectious, autoimmune or cancerous disease.  
 SQ Sequence 20 AA;

Query Match 3.6%; Score 6; DB 27; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 1.37e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 4 garins 9  
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 Oy 38 GARLNS 43

RESULT 19  
 ID R05154 standard; protein; 20 AA.  
 AC R05154;  
 DT 09-OCT-1990 (first entry)  
 DE Fusion protein epitopic for gp41 glycoprotein of HIV-2.  
 KW HIV; AIDS; gp41; p24; vaccine.  
 OS Synthetic.  
 PN EP-371817-A.  
 PD 6-JUN-1990.  
 PE 30-NOV-1989; 312513.  
 PR 1-DEC-1988; GB-028097.  
 PA (WELI) Wellcome Foundation Ltd.  
 PI Duncan RJS;  
 DR WPI; 90-173162/23.  
 PT New peptide(s) which bind to antibody specific for HIV -  
 PT derived from portion of immunodominant epitope on the gp41  
 PT glycoprotein of HIV.  
 PS Disclosure; pp; English.  
 CC Fusion protein may be used to make test kits for both HIV-1 and  
 CC HIV-2 antibodies or antigens.  
 SQ Sequence 20 AA.

Query Match 3.6%; Score 6; DB 1; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 1.37e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 6 garins 11  
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 Oy 38 GARLNS 43

RESULT 20  
 ID R05141 standard; protein; 20 AA.  
 AC R05141;  
 DT 09-OCT-1990 (first entry)  
 DE Peptide epitopic for HIV-1 and HIV-2.  
 KW HIV; AIDS; gp41; p24; vaccine.  
 OS Synthetic.  
 PN EP-371818-A.  
 PD 6-JUN-1990.  
 PE 30-NOV-1989; 312514.  
 PR 1-DEC-1988; GB-028098.  
 PA (WELI) Wellcome Foundation Ltd.  
 PI Duncan RJS;  
 DR WPI; 90-173163/23.  
 PT New peptide(s) which bind to antibody specific for HIV -  
 PT used for detection of antibody or antigen or for raising  
 PT specific antibodies.  
 PS Claim 1; Page 12; 13pp; English.  
 CC Protein may be used to make test kits for both HIV-1 and  
 CC HIV-2 antibodies or antigens.  
 SQ Sequence 20 AA;

Query Match 3.6%; Score 6; DB 1; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 1.37e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 6 garins 11  
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 Oy 38 GARLNS 43

